

AMENDMENTS TO THE CLAIMS:

Please amend claims 1-15 as follows. Please cancel claims 16-20 without prejudice and add new claims 21-25.

5 **Claims:**

1. (Currently Amended) A method in a sawing apparatus (4) of a forest machine for preventing the whipping movement of a saw chain (6) breaking during sawing, wherein the method comprises the steps of:

10

- driving the saw chain (6) around a guide bar (12) by means of a drive gear (4) positioned on one end of the guide bar (12), wherein according to the normal operation the saw chain (6) moves from the guide bar (12) at the drive gear (4) and rotates back on top of the drive gear (4), and
- conducting the sawing of a tree trunk by rotating the guide bar (12) around a first rotation axis (A), and

15

characterized by:

20

- moving a protective wall (9) during the sawing of a tree trunk in phase with the rotation of the guide bar (12) to maintain their mutual position, wherein the protective wall (9) is positioned in such a manner that it is capable of receiving the saw chain (6) breaking during the sawing as well as the tail of the broken saw chain, which tend to continue their movement past the drive gear (4), and guiding them to the desired direction.

25

30 2. (Currently Amended) The method according to claim 1, **characterized by further comprising the step of** moving the protective wall (9) during the sawing in such a manner that the protective wall (9) is rotated around said first rotation axis (A) together with the guide bar (12).

35

3. (Currently Amended) The method according to claim 1 ~~or 2~~, **characterized by further comprising the step of** guiding the broken saw

chain to the desired direction by means of the protective wall (9) that is located within a distance from the drive gear (4), curving in the same direction with the drive gear (4).

- 5 4. (Currently Amended) The method according to claim 1, further comprising the step of any of the claims 1 to 3, characterized by moving the protective wall (9) by means of a guide bar holder (3) or a moving part arranged to move in phase with the guide bar holder (3) during the sawing of a tree trunk.

10

5. (Currently Amended) A sawing apparatus of a forest machine, comprising:

15

- a frame part (2) for fastening the sawing apparatus (1),
- a guide bar holder (3) for fastening of a guide bar (12) and arranged to rotate around a first rotation axis (A) with respect to the frame part (2) for turning the guide bar (12) during the sawing of a tree trunk,
- a drive gear (4) positioned on one end of the guide bar (12) for driving a saw chain (6) around the guide bar (12) to perform the sawing, and
- a safety system comprising a protective wall (9) for receiving the saw chain (6) that has broken during the sawing, wherein

20

25

~~characterized in that:~~

30

- the protective wall (9) is fastened to the guide bar holder (3) or a moving part arranged to move in phase with the guide bar holder (3) during the sawing of a tree trunk, for maintaining the protective wall (9) positioned such that it is capable of receiving the broken saw chain as well as the tail of the broken saw chain, which tend to continue their movement past the drive gear (4), and guiding them to a desired direction.

35

6. (Currently Amended) The sawing apparatus according to claim 5, ~~characterized in that~~ wherein the protective wall (9) is positioned on that side of the drive gear (4) on which the saw chain (6) moves in accordance with normal operation from the guide bar (12) to the drive gear (4) and rotates back on top of the drive gear (4).

7. (Currently Amended) The sawing apparatus according to claim 5 ~~or 6, characterized in that~~ wherein the protective wall (9) is located within a distance from the drive gear (4), curving in the same direction with the drive gear (4).

8. (Currently Amended) The sawing apparatus according to claim 5, wherein any of the claims 5 to 7, ~~characterized in that~~ the first end of the protective wall (9) is located on the side of the incoming saw chain (6) and comprises a wall part (10) curving away from the drive gear (4) and guiding the broken saw chain between the drive gear (4) and the protective wall (9).

9. (Currently Amended) The sawing apparatus according to claim 5, wherein any of the claims 5 to 8, ~~characterized in that~~ the protective wall (9) substantially covers a sector area of 100° to 120°, whose central point is the first rotation axis (A).

10. (Currently Amended) The sawing apparatus according to claim 5, wherein any of the claims 5 to 9, ~~characterized in that~~ the drive gear (4) is arranged to rotate around the first rotation axis (A).

11. (Currently Amended) The sawing apparatus according to claim 5, wherein any of the claims 5 to 9, ~~characterized in that~~ the moving part is arranged to rotate in phase with the guide bar (12) around the first rotation axis (A) such that the location of the protective wall (9) in relation to the saw chain (6) remains the same.

12. (Currently Amended) The sawing apparatus according to claim 5, wherein any of the claims claim 5 to 10, ~~characterized in that~~ the protective wall (9) is positioned substantially perpendicularly in relation

to the plane coinciding with the guide bar (42) and the movement of the saw chain (6).

5 13. (Currently Amended) The sawing apparatus according to claim 12,
wherein ~~characterized in that~~ the protective wall (9) is fastened to
such a surface of the guide bar holder (3) which is substantially parallel
to said plane.

10 14. (Currently Amended) The sawing apparatus according to claim 5,
wherein ~~any of the claims 5 to 13, characterized in that~~ the protective
wall (9) has a substantially L-shaped or U-shaped cross section.

15 15. (Currently Amended) The sawing apparatus according to claim 5,
wherein ~~any of the claims 5 to 13, characterized in that~~ the protective
wall (9) is coated with flexible rubber or plastic material.

Claims 16-20 (Cancelled).

20 21. (New) The method according to claim 2, further comprising the step
of moving the protective wall by means of a guide bar holder or a
moving part arranged to move in phase with the guide bar holder
during the sawing of a tree trunk.

25 22. (New) The sawing apparatus according to claim 7, wherein the first
end of the protective wall is located on the side of the incoming saw
chain and comprises a wall part curving away from the drive gear and
guiding the broken saw chain between the drive gear and the pro-
tective wall.

30 23. (New) The sawing apparatus according to claim 7, wherein the
protective wall substantially covers a sector area of 100° to 120°,
whose central point is the first rotation axis .

35 24. (New) The sawing apparatus according to the claim 7, wherein the
moving part is arranged to rotate in phase with the guide bar around
the first rotation axis such that the location of the protective wall in
relation to the saw chain remains the same.

25. (New) The sawing apparatus according to the claim 8, wherein the moving part is arranged to rotate in phase with the guide bar around the first rotation axis such that the location of the protective wall in relation to the saw chain remains the same.
- 5